	Application No.	Applicant(s)	
Notice of Allowability	10/568,186 Examiner	FUSEGAWA ET AL. Art Unit	
	LAdililici	Artonit	
	Felisa C. Hiteshew	1722	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT OF of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in the bigonial of the communication of the communication is sub- community of the communication in the community of the	is application. If not included cation will be mailed in due course.	THIS initiative
1. \boxtimes This communication is responsive to <u>the amendment filed</u>	l on August 16, 2007.		
2. The allowed claim(s) is/are 7-14 and 23.			
3. Acknowledgment is made of a claim for foreign priority u	under 35 U.S.C. § 119(a)-(d) or (ተስ.	
a) ☑ All b) ☐ Some* c) ☐ None of the:		.,,	
1. Certified copies of the priority documents have	re been received.		
2. Certified copies of the priority documents hav		No	
3. Copies of the certified copies of the priority do			the
International Bureau (PCT Rule 17.2(a)).		3	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted.	MENT of this application. nitted. Note the attached EXAMI	NER'S AMENDMENT or NOTICE (
INFORMAL PATENT APPLICATION (PTO-152) which giv		eclaration is deficient.	
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ist be submitted.		
(a) including changes required by the Notice of Draftsper		PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
 (b) ☐ including changes required by the attached Examiner Paper No./Mail Date 	's Amendment / Comment or in	the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the c the header according to 37 CFR 1	drawings in the front (not the back) of .121(d).	
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 	osit of BIOLOGICAL MATER	IAL must be submitted. Note the	
Attachment(s)			
1. ☐ Notice of References Cited (PTO-892)	5 Notice of Inform	mal Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. X Interview Sumi		
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Ma 7. ⊠ Examiner's Am	il Date	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit		stement of Reasons for Allowance	
of Biological Material		mement of Reasons for Allowance	
	9.	Felisa C. Hiteshew Primary Examiner Art Unit: 1722	ン

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Andrew B. Freistein on September 10, 2007.

The application has been amended as follows:

In the specification, after the title, please insert the following:

-- This application is a 371 of PCT/JP04/11685 08/13/2004 --.

In the claims: Please cancel claims 15-22.

2. The following is an examiner's statement of reasons for allowance: The most relevant prior art or reference cited was that of Mitamura, et al in view of WO 01/81661 A1. However, they do not teach nor fairly suggest singularly or in any combination thereof a method for producing a single crystal in accordance with Czocharalski method by flowing an inert gas downward in a chamber of a single crystal-pulling apparatus and surrounding a single crystal pulled down from a raw material melt with a gas flow-guide cylinder, wherein when a single crystal within N region outside OSF region generated in a ring shape in the radial direction of the single crystal is pulled, the single crystal within N region is pulled in a condition that flow amount of the inert gas between the single

crystal and the gas flow-guide cylinder is 0.6 D(L/min) or more and pressure in the

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chamber is 0.6 D(hPa) or less, in which D (mm) is a diameter of the single crystal to be pulled.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Felisa Hiteshew whose telephone number is (571) 272-1463. The examiner can normally be reached on Mondays through Thursday from 5:30 AM to 4:00 PM with Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta, can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-1463.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system. see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866- 217-9197 (toll-free).